

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaBond Total Etch Bond B**

Revision date: 14.04.2016

Product code: 2222

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

LuxaBond Total Etch Bond B

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH	
Street:	Elbgaustraße 248	
Place:	D-22547 Hamburg	
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

May cause respiratory irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

**2.2. Label elements****Regulation (EC) No. 1272/2008**

Signal word: Danger

Pictograms:

**Hazard statements**

H335	May cause respiratory irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.

**Precautionary statements**

P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1565-94-2	Bis-GMA			15 - 25 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Call a physician immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).**Unsuitable extinguishing media**

High power water jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store only in original container.

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures**

When using do not eat or drink.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

**Respiratory protection**

The following must be prevented: inhalation.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid	
Colour:	yellow	
Odour:	like: ester	
pH-Value (at 20 °C):		4.5 - 7
<b>Changes in the physical state</b>		
Initial boiling point and boiling range:		100 °C
point of decomposition:		> 200 °C
Flash point:		> 100 °C
Vapour pressure: (at 20 °C)		23 hPa
Density:		1,1 g/cm <sup>3</sup>
<b>Solubility in other solvents</b>		
Solubility ca. 50 %		
Vapour density:		> 1

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Light. heat.

**10.5. Incompatible materials**

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

**Further information**

Substances sensitive to light.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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**Acute toxicity**

LD50: Rat 5500mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1565-94-2	Bis-GMA				
	oral	LD50 mg/kg 5000	Rat	literature value	

**Irritation and corrosivity**

Frequently or prolonged contact with skin may cause dermal irritation.

Irritant effect on the eye: Frequently or prolonged contact with skin may cause dermal irritation.

**Sensitising effects**

May cause sensitization by skin contact.

**Additional information on tests**

Contains Methacrylates: May produce an allergic reaction. May cause sensitization by skin contact.

**SECTION 12: Ecological information****12.1. Toxicity**

Aquatic toxicity LC50: &gt; 360 mg / l / 48h

**12.2. Persistence and degradability**

Product is partially biodegradable. 50%

**Further information**

Do not allow to enter into surface water or drains. Leakage into the environment must be prevented.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Carry out a burning of hazardous waste according to official regulations.

**Waste disposal number of waste from residues/unused products**

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

**SECTION 14: Transport information****Other applicable information**

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): - - not water contaminating

**SECTION 16: Other information**

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#### Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

#### Further Information

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*